

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent application of: Daniel J. Cosgrove  
For: BETA-EXPANSINS AS CELL WALL LOOSENING AGENTS, COMPOSITIONS  
THEREOF AND METHODS OF USE,

the specification of which is being transmitted herewith.

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:


Attached are Forms PTO/SB/08A and 08B (formerly Form PTO-1449) listing the relevant art known to the applicant herein. The Examiner is requested to consider the references and make them of record. This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application Serial No. 09/071,252, filed on May 1, 1998. The following references were submitted to, and/or cited by, the Patent Office in the prior application(s) and, therefore, are not required to be provided in this application.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. § 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

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**CERTIFICATE OF MAILING BY EXPRESS MAIL**

I hereby certify that this document and the documents referred to as enclosed therein are being deposited with the U.S. Postal Service in an envelope as "Express Mail Post Office to Addressee" addressed to: Assistant Commissioner for Patents, Box Application, Washington, D.C. 20231, prior to 5:00 p.m. on the 9 day of December, 2003.

  
Patricia E. Wilson  
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The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. (Notice of January 9, 1992, 1135 O.G. 13-25, at 25.)

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Heidi S. Nebel', written over the typed name.

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- pw -

Attorneys of Record

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	(cont. of 09/071,252)
				Filing Date	
				First Named Inventor	Daniel J. Cosgrove
				Group Art Unit	1644
				Examiner Name	
				Attorney Docket Number	P04665US2
Sheet	1		3		

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Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**OTHER DOCUMENTS** (Including Author, Title, Date\*\*, Relevant Pages, Place of Publication\*\*\*)  
Form PTO/SB/08A (08-00)  
U.S. Patent and Trademark Office

Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	(cont. of 09/071,252)
		Filing Date	May 1, 1998
		First Named Inventor	Daniel J. Cosgrove
		Group Art Unit	1644
		Examiner Name	P. Nolan
Sheet 2	3	Attorney Docket Number	P04665US2

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		BRENNER et al., "Assessing sequence comparison methods with reliable structurally identified distant evolutionary relationships", Proc. Natl. Acad. Sci. USA, Vol. 95, pp. 6073-6078 (5/1998)	
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